EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	8	US-3932500-$.DID. OR US-5426221-$.DID. OR US-5780679-$.DID. OR US-5780688-$.DID.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/04/25 08:04
L2	2	("5705688").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/04/25 08:04
L3	0	"US-3932500.DID."$.US	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/04/25 08:04
L4	0	"US-3932500.DID$."".US"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/04/25 08:04
L5	508	(562/600).CCLS.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/04/25 09:17
L6	1032772	column	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/04/25 08:25
L7	3217034	3 or three	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/04/25 09:08
L8	48311	l6 near10 l7	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/04/25 08:26
L9	37	l5 and l8	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/04/25 08:26
L10	37407	l6 near5 l7	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/04/25 08:27
L11	24	l9 and l10	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/04/25 08:35

L12	13	I9 not I11	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/04/25 08:35
L13	4205435	section	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/04/25 09:29
L14	118131	I13 near5 I7	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/04/25 09:10
L15	1169	I6 near10 I14	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/04/25 09:10
L16	1	"I45" and I15	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/04/25 09:10
L17	4	I5 and I15	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/04/25 09:11
L18	351	((acrylic or methacrylic or "(meth)acrylic") and (column or section) and (three or 3)).clm.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/04/25 09:20
L19	148	((acrylic or methacrylic or "(meth)acrylic") and (column or section) and (three or 3)).clm.	US-PGPUB	OR	ON	2007/04/25 09:21
L20	2	I5 and I18	US-PGPUB	OR	ON	2007/04/25 09:21
L21	4205435	section or sections	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/04/25 09:26
L22	2422	I14 same I6	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/04/25 09:27
L23	5	I5 and I22	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/04/25 09:27
L24	361787	partition	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/04/25 09:29

L25	7936	I7 near5 I24	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/04/25 09:30
L26	0	I5 same I25	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/04/25 09:30
L27	199	I6 same I25	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/04/25 09:30
L29	0	I5 and I27	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/04/25 09:33
L30	2	("7029556").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/04/25 09:45
L31	2	("6995282").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/04/25 09:48
L32	2	("6281386").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/04/25 09:50
L33	2	("6352619").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/04/25 09:50
L34	2	("5705688").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/04/25 09:51
L35	2	("5734075").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/04/25 10:06
L36	2	("2005176997").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/04/25 10:07
L37	2	("20050176997").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/04/25 10:07

Connecting via Winsock to STN

Welcome to STN International!   Enter x:x

LOGINID:SSSPTA1623PAZ

PASSWORD:
TERMINAL (ENTER 1, 2, 3, OR ?):2

* * * * * * * * * *   Welcome to STN International   * * * * * * * * * *

  NEWS   1   Web Page URLs for STN Seminar Schedule - N. America
  NEWS   2   JAN 08   CHEMLIST enhanced with New Zealand Inventory of Chemicals
  NEWS   3   JAN 16   CA/CAplus Company Name Thesaurus enhanced and reloaded
  NEWS   4   JAN 16   IPC version 2007.01 thesaurus available on STN
  NEWS   5   JAN 16   WPIDS/WPINDEX/WPIX enhanced with IPC 8 reclassification data
  NEWS   6   JAN 22   CA/CAplus updated with revised CAS roles
  NEWS   7   JAN.22   CA/CAplus enhanced with patent applications from India
  NEWS   8   JAN 29   PHAR reloaded with new search and display fields
  NEWS   9   JAN 29   CAS Registry Number crossover limit increased to 300,000 in
                        multiple databases
  NEWS 10   FEB 15   PATDPASPC enhanced with Drug Approval numbers
  NEWS 11   FEB 15   RUSSIAPAT enhanced with pre-1994 records
  NEWS 12   FEB 23   KOREAPAT enhanced with IPC 8 features and functionality
  NEWS 13   FEB 26   MEDLINE reloaded with enhancements
  NEWS 14   FEB 26   EMBASE enhanced with Clinical Trial Number field
  NEWS 15   FEB 26   TOXCENTER enhanced with reloaded MEDLINE
  NEWS 16   FEB 26   IFICDB/IFIPAT/IFIUDB reloaded with enhancements
  NEWS 17   FEB 26   CAS Registry Number crossover limit increased from 10,000
                        to 300,000 in multiple databases
  NEWS 18   MAR 15   WPIDS/WPIX enhanced with new FRAGHITSTR display format
  NEWS 19   MAR 16   CASREACT coverage extended
  NEWS 20   MAR 20   MARPAT now updated daily
  NEWS 21   MAR 22   LWPI reloaded
  NEWS 22   MAR 30   RDISCLOSURE reloaded with enhancements
  NEWS 23   MAR 30   INPADOCDB will replace INPADOC on STN
  NEWS 24   APR 02   JICST-EPLUS removed from database clusters and STN

  NEWS EXPRESS   NOVEMBER 10 CURRENT WINDOWS VERSION IS V8.01c, CURRENT
                  MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP),
                  AND CURRENT DISCOVER FILE IS DATED 25 SEPTEMBER 2006.

  NEWS HOURS   STN Operating Hours Plus Help Desk Availability
  NEWS LOGIN   Welcome Banner and News Items
  NEWS IPC8   For general information regarding STN implementation of IPC 8

Enter NEWS followed by the item number or name to see news on that
specific topic.

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  agreement. Please note that this agreement limits use to scientific
  research. Use for software development or design or implementation
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  result in loss of user privileges and other penalties.

* * * * * * * * * * * * * * * STN Columbus * * * * * * * * * * * * * * * *

FILE 'HOME' ENTERED AT 09:55:19 ON 25 APR 2007

=> file caplus

=> acrylic or methacrylic
        275982 ACRYLIC
          1373 ACRYLICS
        276370 ACRYLIC
                (ACRYLIC OR ACRYLICS)
         78215 METHACRYLIC
             7 METHACRYLICS
         78220 METHACRYLIC
                (METHACRYLIC OR METHACRYLICS)
L1   315567 ACRYLIC OR METHACRYLIC

=> column
        416141 COLUMN
        107249 COLUMNS
L2   468770 COLUMN
                (COLUMN OR COLUMNS)

=> 3 or three
       6877439 3
       1042058 THREE
            52 THREES
       1042093 THREE
                (THREE OR THREES)
SYSTEM LIMITS EXCEEDED - SEARCH ENDED
The search profile you entered was too complex or gave too many
answers. Simplify or subdivide the query and try again. If you have
exceeded the answer limit, enter DELETE HISTORY at an arrow prompt
(=>) to remove all previous answers sets and begin at L1. Use the
SAVE command to store any important profiles or answer sets before
using DELETE HISTORY.

=> 3 or three
       6877439 3
       1042058 THREE
            52 THREES
       1042093 THREE
                (THREE OR THREES)

SYSTEM LIMITS EXCEEDED - SEARCH ENDED
The search profile you entered was too complex or gave too many
answers. Simplify or subdivide the query and try again. If you have
exceeded the answer limit, enter DELETE HISTORY at an arrow prompt
(=>) to remove all previous answers sets and begin at L1. Use the
SAVE command to store any important profiles or answer sets before
using DELETE HISTORY.

```
=>  three
          1042058  THREE
               52  THREES
L3        1042093  THREE
                   (THREE OR THREES)
```

```
=> sections or partitions
           253081  SECTIONS
             7319  PARTITIONS
L4         259935  SECTIONS OR PARTITIONS
```

=> help search terms
HELP FOR 'SEARCH TERMS' IS NOT AVAILABLE
For information about help messages available in all files, enter
"HELP MESSAGES". For information about help messages available for
the current file, enter "HELP DIRECTORY". For a list of commands,
enter "HELP COMMANDS".

=> help messages
Many HELP messages are available to explain files and features of the
system. Each command has a separate explanation that can be viewed
by entering HELP (or ?) followed by the command name at an arrow
prompt (=>). Enter HELP COMMANDS for a list of commands.

Example: => HELP PRINT

Some commands have detailed help for specific functions for that
command. At an arrow prompt, enter HELP followed by the command name
and the specific option:

HELP DISPLAY (ACC, BROWSE, COST, EXPAND, FORMAT, HISTORY, L#, PRINT,
             QUERY, SAVED, SCAN, SELECT, SET, TOLERANCE, TSORT,
             UNIT)
HELP PRINT (ACC, L#, TSORT)
HELP READ (FOLDER, MAIL, NAMELIST, PUBLIC)
HELP SEARCH (PROJECTIONS, RANGE, STEPS, SUBSET)
HELP SET (ABBREVIATION, ACCOUNT, AUHELP, AUTOSEARCH, BANNER, CLUSTER,
         COST, DCLUSTER, DETAIL, DFORMAT, DUPORDER, EXPAND, FAX,
         FAXC, FAXN, FIELD, FORMAT, GRAPHICS, HEADING, HIGHLIGHTING,
         INTERPRET, KWIC, LCOST, LINELENGTH, LOGIN, MAILID, NAMELIST,
         NOTICE, PADDING, PAGELENGTH, PASSWORD, PATENT, PERMANENT,
         PLURALS, POSTINGS, PRINT, PROXIMITY, RANGE, RELATION, ROLES,
         ROUND, SELORDER, SFIELDS, SMARTSELECT, STATUS, STEPS,
         SUBSET, TERM, TLANGUAGE, TOLERANCE, UNIT)

The logical search operators have HELP messages to explain their
functions. At an arrow prompt, enter HELP followed by the operator:

HELP AND
HELP OR
HELP NOT

HELP (W)
HELP (A)
HELP (L)
HELP (P)
HELP (S)

HELP (NOTPROXIMITY)

HELP NUMERIC

For more information on the available operators, enter HELP OPERATORS
at an arrow prompt.

Each file has its own set of HELP messages. For a list of files,
enter HELP FILE NAMES. For information about helps available for
the current file, enter HELP DIRECTORY.

Messages that are available on other topics:

HELP COMMAND STACKING
HELP FILE COST
HELP LIMITS
HELP MAIL
HELP PACKAGES
HELP RESERVED
HELP SAVED NAMES
HELP TRUNCATION

=> help n(W)
HELP FOR 'N(W)' IS NOT AVAILABLE
For information about help messages available in all files, enter
"HELP MESSAGES". For information about help messages available for
the current file, enter "HELP DIRECTORY". For a list of commands,
enter "HELP COMMANDS".

=> help (W)
The (W) operator is used to search for terms that are adjacent to each
other in the order specified. The following forms of the (W) operator
are available:

Operator	Search Example	Retrieves
(W)	SHALE (W) OIL	Records that contain SHALE OIL
(nW)	AIR (3W) POLLUTION	Records that contain AIR followed by POLLUTION with 0 to 3 intervening terms, e.g., AIR AND WATER POLLUTION
(XW)	GOLD (XW) ALLOY	Records that contain GOLD followed by ALLOY anywhere within the same field or information unit, e.g., GOLD-NICKEL ALLOY
(NOTW)	LIME (NOTW) JUICE	Records that contain an occurrence of LIME not immediately followed by JUICE. Records that contain an occurrence of LIME JUICE, in addition to an occurrence of LIME not immediately followed by JUICE, would be retrieved
(nNOTW)	FIBER (5NOTW) OPTICS	Records that contain an occurrence of FIBER not followed by OPTICS with 0 to 5 intervening terms. Records that contain an occurrence of FIBER followed by OPTICS with 0 to 5 intervening terms, in addition to an occurrence of FIBER not followed

by OPTICS with 0 to 5 intervening
                                    terms, would be retrieved

(XNOTW)   AMINO (XNOTW) CHLORO   Records that contain an
                                    occurrence of AMINO not followed
                                    by CHLORO anywhere within the
                                    same field or information unit.
                                    Records that contain an
                                    occurrence of AMINO followed by
                                    CHLORO in the same field or
                                    information unit, in addition to
                                    an occurrence of AMINO not
                                    followed by CHLORO in the same
                                    field or information unit, would
                                    be retrieved

n = any number from 0 to 9999

=> Help (A)
The (A) operator is used to search for terms that are adjacent to each
other in any order, in the same subfield or information unit, e.g.,
the same sentence.

The following forms of the (A) operator are available:

Operator   Search Example   Retrieves

 (A)   SHALE (A) OIL   Records that contain SHALE OIL
                                       or OIL SHALE

 (nA)   AIR (3A) POLLUTION   Records that contain AIR
                                       preceded or followed by POLLUTION
                                       with 0 to 3 intervening terms,
                                       e.g., AIR AND WATER POLLUTION

 (XA)   GOLD (XA) ALLOY   Records that contain GOLD
                                       preceded or followed by ALLOY
                                       anywhere within the same subfield
                                       or information unit, e.g.,
                                       GOLD-NICKEL ALLOY. Records that
                                       contain an occurrence of GOLD
                                       preceded or followed by ALLOY
                                       within the same subfield or
                                       information unit, in addition to
                                       an occurrence of GOLD not
                                       preceded or followed by ALLOY in
                                       the same subfield or information
                                       unit, would be retrieved

 (NOTA)   LIME (NOTA) JUICE   Records that contain an
                                       occurrence of LIME not
                                       immediately preceded or followed
                                       by JUICE. Records that contain
                                       LIME immediately preceded or
                                       followed by JUICE, in addition to
                                       an occurrence of LIME not
                                       immediately preceded or followed
                                       by JUICE, would be retrieved

 (nNOTA)   FIBER (5NOTA) OPTICS   Records that contain an
                                       occurrence of FIBER not preceded
                                       or followed by OPTICS with 0 to 5
                                       intervening terms. Records that
                                       contain an occurrence of FIBER

| | | preceded or followed by OPTICS with 0 to 5 intervening terms, in addition to an occurrence of FIBER not preceded or followed by OPTICS with 0 to 5 intervening terms, would be retrieved |

(XNOTA)	AMINO (XNOTA) CHLORO	Records that contain an occurrence of AMINO not preceded or followed by CHLORO anywhere within the same subfield or information unit. Records that contain an occurrence of AMINO preceded or followed by CHLORO in the same subfield or information unit, in addition to an occurrence of AMINO not preceded or followed by CHLORO in the same field or information unit, would be retrieved

n = any number from 0 to 9999

```
=> d file
'FILE' IS NOT A VALID FORMAT FOR FILE 'CAPLUS'
```

The following are valid formats:

```
ABS --------- GI and AB
ALL --------- BIB, AB, IND, RE
APPS -------- AI, PRAI
BIB --------- AN, plus Bibliographic Data and PI table (default)
CAN --------- List of CA abstract numbers without answer numbers
CBIB -------- AN, plus Compressed Bibliographic Data
CLASS ------- IPC, NCL, ECLA, FTERM
DALL -------- ALL, delimited (end of each field identified)
DMAX -------- MAX, delimited for post-processing
FAM --------- AN, PI and PRAI in table, plus Patent Family data
FBIB -------- AN, BIB, plus Patent FAM
IND --------- Indexing data
IPC --------- International Patent Classifications
MAX --------- ALL, plus Patent FAM, RE
PATS -------- PI, SO
SAM --------- CC, SX, TI, ST, IT
SCAN -------- CC, SX, TI, ST, IT (random display, no answer numbers;
              SCAN must be entered on the same line as the DISPLAY,
              e.g., D SCAN or DISPLAY SCAN)
STD --------- BIB, CLASS

IABS -------- ABS, indented with text labels
IALL -------- ALL, indented with text labels
IBIB -------- BIB, indented with text labels
IMAX -------- MAX, indented with text labels
ISTD -------- STD, indented with text labels

OBIB -------- AN, plus Bibliographic Data (original)
OIBIB ------- OBIB, indented with text labels

SBIB -------- BIB, no citations
SIBIB ------- IBIB, no citations

HIT --------- Fields containing hit terms
HITIND ------ IC, ICA, ICI, NCL, CC and index field (ST and IT)
              containing hit terms
HITRN ------- HIT RN and its text modification
```

```
HITSTR ------ HIT RN, its text modification, its CA index name, and
              its structure diagram
HITSEQ ------ HIT RN, its text modification, its CA index name, its
              structure diagram, plus NTE and SEQ fields
FHITSTR ----- First HIT RN, its text modification, its CA index name, and
              its structure diagram
FHITSEQ ----- First HIT RN, its text modification, its CA index name, its
              structure diagram, plus NTE and SEQ fields
KWIC -------- Hit term plus 20 words on either side
OCC --------- Number of occurrence of hit term and field in which it occurs
```

To display a particular field or fields, enter the display field
codes. For a list of the display field codes, enter HELP DFIELDS at
an arrow prompt (=>). Examples of formats include: TI; TI,AU; BIB,ST;
TI,IND; TI,SO. You may specify the format fields in any order and the
information will be displayed in the same order as the format
specification.

All of the formats (except for SAM, SCAN, HIT, HITIND, HITRN, HITSTR,
FHITSTR, HITSEQ, FHITSEQ, KWIC, and OCC) may be used with DISPLAY ACC
to view a specified Accession Number.
ENTER DISPLAY FORMAT (BIB):file caplus
'FILE' IS NOT A VALID FORMAT FOR FILE 'CAPLUS'
'CAPLUS' IS NOT A VALID FORMAT FOR FILE 'CAPLUS'

The following are valid formats:

```
ABS --------- GI and AB
ALL --------- BIB, AB,  IND, RE
APPS -------- AI, PRAI
BIB --------- AN, plus Bibliographic Data and PI table (default)
CAN --------- List of CA abstract numbers without answer numbers
CBIB -------- AN, plus Compressed Bibliographic Data
CLASS ------- IPC, NCL, ECLA, FTERM
DALL -------- ALL, delimited (end of each field identified)
DMAX -------- MAX, delimited for post-processing
FAM --------- AN, PI and PRAI in table, plus Patent Family data
FBIB -------- AN, BIB, plus Patent FAM
IND --------- Indexing data
IPC --------- International Patent Classifications
MAX --------- ALL, plus Patent FAM, RE
PATS -------- PI, SO
SAM --------- CC, SX, TI, ST, IT
SCAN -------- CC, SX, TI, ST, IT (random display, no answer numbers;
              SCAN must be entered on the same line as the DISPLAY,
              e.g., D SCAN or DISPLAY SCAN)
STD --------- BIB, CLASS

IABS -------- ABS, indented with text labels
IALL -------- ALL, indented with text labels
IBIB -------- BIB, indented with text labels
IMAX -------- MAX, indented with text labels
ISTD -------- STD, indented with text labels

OBIB -------- AN, plus Bibliographic Data (original)
OIBIB ------- OBIB, indented with text labels

SBIB -------- BIB, no citations
SIBIB ------- IBIB, no citations

HIT --------- Fields containing hit terms
HITIND ------ IC, ICA, ICI, NCL, CC and index field (ST and IT)
              containing hit terms
HITRN ------- HIT RN and its text modification
HITSTR ------ HIT RN, its text modification, its CA index name, and
```

```
                    its structure diagram
HITSEQ ------ HIT RN, its text modification, its CA index name, its
                    structure diagram, plus NTE and SEQ fields
FHITSTR ----- First HIT RN, its text modification, its CA index name, and
                    its structure diagram
FHITSEQ ----- First HIT RN, its text modification, its CA index name, its
                    structure diagram, plus NTE and SEQ fields
KWIC -------- Hit term plus 20 words on either side
OCC --------- Number of occurrence of hit term and field in which it occurs
```

To display a particular field or fields, enter the display field
codes. For a list of the display field codes, enter HELP DFIELDS at
an arrow prompt (=>). Examples of formats include: TI; TI,AU; BIB,ST;
TI,IND; TI,SO. You may specify the format fields in any order and the
information will be displayed in the same order as the format
specification.

All of the formats (except for SAM, SCAN, HIT, HITIND, HITRN, HITSTR,
FHITSTR, HITSEQ, FHITSEQ, KWIC, and OCC) may be used with DISPLAY ACC
to view a specified Accession Number.
ENTER DISPLAY FORMAT (BIB):end

```
=> file caplus
COST IN U.S. DOLLARS                        SINCE FILE      TOTAL
                                              ENTRY        SESSION
FULL ESTIMATED COST                           17.70         17.91
```

FILE COVERS 1907 - 25 Apr 2007 VOL 146 ISS 18
FILE LAST UPDATED: 24 Apr 2007 (20070424/ED)

Effective October 17, 2005, revised CAS Information Use Policies apply.
They are available for your review at:

http://www.cas.org/infopolicy.html

=> d his

        (FILE 'HOME' ENTERED AT 09:55:19 ON 25 APR 2007)

        FILE 'CAPLUS' ENTERED AT 09:55:40 ON 25 APR 2007
L1   315567 ACRYLIC OR METHACRYLIC
L2   468770 COLUMN
L3   1042093 THREE
L4   259935 SECTIONS OR PARTITIONS

        FILE 'CAPLUS' ENTERED AT 10:02:50 ON 25 APR 2007

=> l3 (5A) l4
L5   2408 L3 (5A) L4

```
=> 12 (10A) 15
L6              21 L2 (10A) L5


=> 11 (1)16
L7               0 L1 (L)L6


=> 11 and 16
L8               0 L1 AND L6


=> 12 (5A) 13
L9            2491 L2 (5A) L3


=> 11 (1)19
L10              7 L1 (L)L9


=> d l10 1-7 ti


L10    ANSWER 1 OF 7   CAPLUS   COPYRIGHT 2007 ACS on STN
TI     Principal component analysis of nonlinear chromatography

L10    ANSWER 2 OF 7   CAPLUS   COPYRIGHT 2007 ACS on STN
TI     Method for purifying (meth)acrylic acid

L10    ANSWER 3 OF 7   CAPLUS   COPYRIGHT 2007 ACS on STN
TI     Division S-5-pedology: changes across artificial E-Bh boundaries formed
       under simulated fluctuating water tables

L10    ANSWER 4 OF 7   CAPLUS   COPYRIGHT 2007 ACS on STN
TI     Separation of thymidine from mixtures

L10    ANSWER 5 OF 7   CAPLUS   COPYRIGHT 2007 ACS on STN
TI     Empirical approach to solid-liquid mass transfer in a three-phase sparged
       reactor

L10    ANSWER 6 OF 7   CAPLUS   COPYRIGHT 2007 ACS on STN
TI     Improved technique for brackish water deionization by ion exchange

L10    ANSWER 7 OF 7   CAPLUS   COPYRIGHT 2007 ACS on STN
TI     Column design for adsorbent systems and the effect on mass transfer



=> d l10 2,7ti fbib abs
'7TI' IS NOT A VALID FORMAT FOR FILE 'CAPLUS'

The following are valid formats:

ABS --------- GI and AB
ALL --------- BIB, AB, IND, RE
APPS -------- AI, PRAI
BIB --------- AN, plus Bibliographic Data and PI table (default)
CAN --------- List of CA abstract numbers without answer numbers
CBIB -------- AN, plus Compressed Bibliographic Data
CLASS ------- IPC, NCL, ECLA, FTERM
DALL -------- ALL, delimited (end of each field identified)
DMAX -------- MAX, delimited for post-processing
FAM --------- AN, PI and PRAI in table, plus Patent Family data
FBIB -------- AN, BIB, plus Patent FAM
IND --------- Indexing data
IPC --------- International Patent Classifications
MAX --------- ALL, plus Patent FAM, RE
PATS -------- PI, SO
SAM --------- CC, SX, TI, ST, IT
SCAN -------- CC, SX, TI, ST, IT (random display, no answer numbers;
              SCAN must be entered on the same line as the DISPLAY,
```

```
                     e.g., D SCAN or DISPLAY SCAN)
STD --------- BIB, CLASS

IABS -------- ABS, indented with text labels
IALL -------- ALL, indented with text labels
IBIB -------- BIB, indented with text labels
IMAX -------- MAX, indented with text labels
ISTD -------- STD, indented with text labels

OBIB -------- AN, plus Bibliographic Data (original)
OIBIB ------- OBIB, indented with text labels

SBIB -------- BIB, no citations
SIBIB ------- IBIB, no citations

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HITRN ------- HIT RN and its text modification
HITSTR ------ HIT RN, its text modification, its CA index name, and
               its structure diagram
HITSEQ ------ HIT RN, its text modification, its CA index name, its
               structure diagram, plus NTE and SEQ fields
FHITSTR ----- First HIT RN, its text modification, its CA index name, and
               its structure diagram
FHITSEQ ----- First HIT RN, its text modification, its CA index name, its
               structure diagram, plus NTE and SEQ fields
KWIC -------- Hit term plus 20 words on either side
OCC --------- Number of occurrence of hit term and field in which it occurs

To display a particular field or fields, enter the display field
codes.  For a list of the display field codes, enter HELP DFIELDS at
an arrow prompt (=>).  Examples of formats include: TI; TI,AU; BIB,ST;
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information will be displayed in the same order as the format
specification.

All of the formats (except for SAM, SCAN, HIT, HITIND, HITRN, HITSTR,
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to view a specified Accession Number.
ENTER DISPLAY FORMAT (BIB):end

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L10  ANSWER 2 OF 7  CAPLUS  COPYRIGHT 2007 ACS on STN
TI   Method for purifying (meth)acrylic acid
AN   2003:434509  CAPLUS
DN   139:7362
TI   Method for purifying (meth)acrylic acid
IN   Yada, Shuhei; Ogawa, Yasushi; Suzuki, Yoshiro; Takasaki, Kenji
PA   Mitsubishi Chemical Corporation, Japan
SO   PCT Int. Appl., 59 pp.
     CODEN: PIXXD2
DT   Patent
LA   Japanese
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AB A method for purifying a crude (meth)acrylic acid prepared by the
    vapor phase catalytic oxidation method, characterized in that a crude (meth)
    acrylic acid being removed of most parts of water and acetic acid
    is fed to a first distillation column of a purification system comprising
    three (a first to a third) distillation columns for distillation, the top
    fraction from the first distillation column is fed to the second distillation
column
    for distillation, the resulting top fraction is recovered as a high purity
    (meth)acrylic acid product, the bottom fractions from the first
    and the second distillation columns are fed to the third distillation column
for
    distillation, and the resulting top fraction is fed to the first distillation
column.
    The method can be used for producing a high purity (meth)acrylic
    acid from a crude (meth)acrylic acid prepared by the vapor phase
    catalytic oxidation method.
RE.CNT 6   THERE ARE 6 CITED REFERENCES AVAILABLE FOR THIS RECORD
               ALL CITATIONS AVAILABLE IN THE RE FORMAT

L10 ANSWER 7 OF 7 CAPLUS COPYRIGHT 2007 ACS on STN
TI   Column design for adsorbent systems and the effect on mass transfer
AN   1976:423146 CAPLUS
DN   85:23146
TI   Column design for adsorbent systems and the effect on mass transfer
AU   Dunlop, E. H.; Langley, P. G.
CS   Liver Unit, King's Coll. Hosp., London, UK
SO   Artif. Liver Support, Proc. Int. Symp. (1975), Meeting Date 1974, 310-18.
     Editor(s): Williams, Roger; Murray-Lyon, Iain M. Publisher: Pitman,
     London, Engl.
     CODEN: 32NZAR
DT   Conference
LA   English
AB   Design problems and adsorption kinetics of packed-bed perfusion columns
     are discussed. The abnormalities were investigated by dye-tracer studies
     on 4 different designs of hemoperfusion column containing activated charcoal
     coated with an acrylic copolymer. Three of the
     columns were cylindrical (diams. 10.2, 4.4, and 2.5 cm) and 1 was
     double-cone shaped. The mass-transfer coeffs. were measured for the
     removal of paracetamol from plasma at a flow rate of 150 cm3/min. The
     results are presented graphically. The diffusion through the boundary
     layer is the rate-limiting step in the adsorption on charcoal and the
     effect is not limited to coated charcoal only. Raising mass transfer
     always results in an increased pressure drop irrespective of design
     changes. However, for a given pressure drop, a high-velocity column gives
     the same removal with considerably reduced mass of charcoal.

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COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	19.69	37.60

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	-1.56	-1.56

SESSION WILL BE HELD FOR 120 MINUTES
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